

Title (en)

CANTED HELIX COLLAPSIBLE FLOWMETER AND METHOD OF MEASURING A FLUID FLOW

Title (de)

Zusammenklappbares Durchflussmessgerät mit geneigter Spirale und Verfahren zum Messen des Flüssigkeitsdurchflusses

Title (fr)

Débitmètre pliable à hélice inclinable et procédé pour mesurer un flux de fluides

Publication

EP 2469243 A3 20140226 (EN)

Application

EP 11192518 A 20111208

Priority

US 97401910 A 20101221

Abstract (en)

[origin: EP2469243A2] Flowmeters and methods of measuring a fluid flow or manufacturing flowmeters are presented. A flowmeter has a tool body and one or more spinner arms configured to extend with a first end away from the tool body and a second end joined to the tool body, when deployed to measure a fluid flow. Each spinner arm includes a helical blade configured to rotate due to a fluid flowing substantially parallel to a longitudinal axis of the tool body, around a rotation axis between the first end and the second end.

IPC 8 full level

G01F 1/10 (2006.01); **E21B 47/10** (2012.01); **G01F 1/115** (2006.01); **G01F 1/12** (2006.01); **G01F 1/74** (2006.01)

CPC (source: EP US)

E21B 47/10 (2013.01 - EP US); **G01F 1/10** (2013.01 - EP US); **G01F 1/115** (2013.01 - EP US); **G01F 1/12** (2013.01 - EP US); **G01F 1/74** (2013.01 - EP US); **Y10T 29/49826** (2015.01 - US)

Citation (search report)

- [A] WO 0111190 A1 20010215 - SCHLUMBERGER TECHNOLOGY BV [NL], et al
- [A] WO 9744567 A1 19971127 - SCHLUMBERGER LTD [NL], et al

Cited by

EP3382350A1; GB2576228A; GB2576228B; WO2020072173A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2469243 A2 20120627; **EP 2469243 A3 20140226**; **EP 2469243 B1 20150930**; CA 2762371 A1 20120621; CA 2762371 C 20170711; CN 102564497 A 20120711; CN 102564497 B 20160120; US 2012158308 A1 20120621; US 8800384 B2 20140812

DOCDB simple family (application)

EP 11192518 A 20111208; CA 2762371 A 20111215; CN 201110461676 A 20111221; US 97401910 A 20101221